

Amendments to the Claims

Claims 1 and 2 (Cancelled)

Claim 3 (**Currently Amended**) A method for generating a constant voltage, the method comprising the steps of:

- generating a reference voltage;
- generating an output voltage;
- extracting short wave noises from the reference voltage;
- supplying the extracted short wave noises into the output voltage;
- generating a control signal based on the reference voltage and the output voltage having the extracted short wave noises supplied thereto; and
- controlling the output voltage in response to the control signal so that the to provide a constant output voltage is constant.

Claim 4 (Cancelled)

Claim 5 (**Currently Amended**) A The constant voltage generation device, according to claim 4 comprising:

- a reference voltage generation circuit operable to generate a reference voltage;
- an output circuit operable to generate an output voltage;
- a differential amplifier operable to generate a control signal based on the reference voltage and the output voltage; and
- a noise control circuit operable to remove short wave noises from the reference voltage, to be supplied to the differential amplifier, wherein

- the output circuit is controlled in response to the control signal so that the output voltage is constant, and

- the noise control circuit comprises a resistor serially connected between the reference voltage generation circuit and a first input terminal of the differential amplifier.

Claim 6 (**Currently Amended**) The constant voltage generation ~~device, device~~ according to claim 5, wherein

the noise control circuit further comprises a capacitor, ~~which is connected between at an electrode to a first terminal and at the other electrode to the first input terminal of the differential amplifier.~~

Claim 7 (**Currently Amended**) The constant voltage generation ~~device, device~~ according to claim 6, wherein

the first terminal is grounded.

Claim 8 (**Currently Amended**) The constant voltage generation ~~device, device~~ according to claim 6, wherein

the capacitor is a variable ~~type of~~ capacitor, and the resistor is a variable ~~type of~~ resistor.

Claims 9 and 10 (**Cancelled**)

Claim 11 (**Currently Amended**) ~~A The~~ constant voltage generation ~~device, device~~ according to claim 10 comprising:

a reference voltage generation circuit operable to generate a reference voltage;

an output circuit operable to generate an output voltage;

a differential amplifier operable to generate a control signal based on the reference voltage and the output voltage; and

a noise control circuit operable to remove short wave noises from the control signal to provide a second control signal, wherein

the output circuit is controlled in response to the second control signal so that the output voltage is constant, and

the noise control circuit comprises a resistor serially connected between an output terminal of the differential amplifier and an input terminal of the output circuit; and a capacitor connected between a second terminal and the output terminal of the differential amplifier.

Claim 12 (**Currently Amended**) The constant voltage generation ~~device~~ device, according to claim 11, wherein

the second terminal is grounded.

Claim 13 (**Cancelled**)

Claim 14 (**Currently Amended**) ~~A The constant voltage generation device, according to claim 13~~ device comprising:

a reference voltage generation circuit operable to generate a reference voltage;

an output circuit operable to generate an output voltage;

a differential amplifier operable to generate a control signal based on the reference voltage and the output voltage; and

a first noise control circuit operable to remove short wave noises from the reference voltage; and

a second noise control circuit operable to remove short wave noises from the control signal to provide a second control signal, wherein

the output circuit is controlled in response to the second control signal so that the output voltage is constant,

the first noise control circuit comprises a first resistor serially connected between the reference voltage generation circuit and a first input terminal of the differential amplifier; and a first capacitor connected between a first terminal and the first input terminal of the differential amplifier, ~~and;~~ and

the second noise control circuit comprises a second resistor serially connected between an output terminal of the differential amplifier and an input terminal of the output circuit; and a second capacitor connected between a second terminal and the output terminal of the differential amplifier.

Claim 15 (**Currently Amended**) The constant voltage generation ~~device~~ device according to claim 14, wherein

each of the first and second terminals is grounded.

Claim 16 (**Currently Amended**) A constant voltage generation ~~device, device~~ comprising:

a reference voltage generation circuit ~~which generates~~ operable to generate a reference voltage;

an output circuit ~~which generates~~ operable to generate an output voltage;

a differential amplifier ~~which generates~~ operable to generate a control signal based on the reference voltage and the output voltage; and

a noise control circuit ~~which extracts~~ operable to extract short wave noises from the reference voltage, to be supplied to a first input terminal of the differential amplifier, and ~~supplies~~ supply the extracted short wave noises into the output voltage, to be supplied to a second input terminal of the differential amplifier, wherein

the output ~~voltage circuit~~ circuit is controlled in level in response to the control signal so that the ~~to provide a constant~~ output voltage is constant.

Claim 17 (**Currently Amended**) The constant voltage generation ~~device, device~~ according to claim 16, wherein

the noise control circuit comprises a capacitor connected between the first input terminal and the second input terminal of the differential amplifier so that ~~an effect of the~~ short wave noises ~~is~~ are cancelled.

Claim 18 (**Currently Amended**) The constant voltage generation device, according to claim 16, wherein

the noise control circuit is a high-pass filter, ~~which is~~ connected between the first and second input terminals of the differential amplifier.

Claim 19 (**Currently Amended**) The constant voltage generation ~~device, device~~ according to claim 16, further comprising:

a second noise control circuit ~~which removes~~ operable to remove short wave noises from the reference voltage.